

ABSTRACT OF THE DISCLOSURE

A polarization maintaining coupler is provided that allows a user to change the coupling ratio of two or more output fibers. The coupler can include an assembly containing a PM fiber in a ferrule. The ferrule is attached to a housing, which includes a lens for collimating light from the PM fiber onto an optical component that splits the incoming polarized light into two orthogonally polarized components. Each of these orthogonal components is then output into a separate PM or single mode fiber. By rotating the input PM fiber with respect to the optical component, the coupling ratio of the output fibers can be changed. This change in the coupling ratio can be accomplished either by rotating the input PM fiber, or by rotating the optical component together with the output fibers.

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